

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of) Examiner: A. Mehta
Daniel F. Klessig et al.) Group Art Unit: 1638
Serial No.: 09/623,034) Response to paper No.: 4
Filed: August 24, 2000)
For: "Methods of Using a Pathogen-)
Activatable Map Kinase to)
Enhance Disease Resistance in)
Plants")

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AMENDMENT AND REQUEST FOR RECONSIDERATION UNDER
37 C.F.R. §1.111

In response to the January 15, 2002 Official Action,
please amend the above-identified patent application as
follows:

In the Specification:

Please insert at Page 1, Line 1 the following statement:

A'
--This application is a §371 Application of
PCT/US99/03882, filed February 23, 1999 which in turn claims
priority to US Provisional Application No. 60/075,685, filed
February 24, 1998.--

A2
(Page 5, Line 29) **Figures 1A and 1B.** Activation of 48-kD
and 44-kD kinases in TMV-infected tobacco. Tobacco plants
carrying *N* resistance gene (*N. tabacum* cv Xanthi nc [NN]) were
inoculated with either TMV (U1 strain, 1 µg/mL in 50 mM
phosphate buffer, pH 7.0) or buffer only (mock). After
infection, plants were maintained at 32°C for 48 hr. Discs
from the infected leaves were collected at various time after
the plants were shifted back to 22°C (hps, hr post shift) and
protein extracts were prepared. **Fig. 1A:** In-gel kinase
activity assay. Extracts containing 15 µg protein were